



Rugged, Reliable, Mobile, Secure

USB DataPort Users Manual



www.CRU-DataPort.com

About CRU-DataPort

CRU-DataPort™ is a leading supplier of data security and storage devices for computer systems. Founded in 1986 and based in Vancouver, WA, USA, CRU's DataPort removable storage enclosures are used worldwide and have become the de facto standard for physical data security and reliable drive removal in government, education and corporate IT environments. DataPort's rugged design protects the drive during removal, transport and storage, while fans keep drives running cool during operation. Most DataPorts have connectors rated for 25,000 insertions and are backed by some of the industry's best and most user friendly warranties.

CRU products are available through major distributors, OEMs, VARs and a host of resellers and systems integrators throughout the United States and abroad. For more information please visit www.CRU-DataPort.com.

For important product updates, register your product by filling out the enclosed registration card or online at www.CRU-DataPort.com.

CRU-DataPort sincerely appreciates your business and welcomes any feedback or suggestions to improve our products and supporting documentation. Please let us know if we can make your experience any better, by emailing us at support@CRU-DataPort.com.

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Product Description

The new USB DataPort is the latest in removable and mobile data solutions from CRU-DataPort. The USB DataPort enables users to hot swap any standard 3.5" low profile IDE/PATA hard disk drive from a computer's 5.25" drive bay. The ability to hot swap or "hot plug" hard drives is ideal for performing data backups at any time without the inconvenience of a system reboot. Users can also "hot mount" any new drive volume, meaning it will be recognized by the OS without needing to reboot.

Please note, removing hard drives during operation is not intended for primary or boot drives. The USB DataPort uses a DataPort V style removable drive carrier. The receiving frame is also compatible with DataPort V+ IDE removable drive carriers, including Encryption DataPorts for added security.

Package Contents

The USB DataPort kit includes all of the necessary hardware to install a 3.5" hard drive in a USB DataPort carrier and the USB DataPort frame in a 5.25" drive bay. Before installing, please verify that the following items have been included in the package:

Quantity	Description
1	DataPort Frame Assembly
1	DataPort Carrier Assembly
2	Metal Covers
4	#6-32 x 3/16 Flat head screws for drive mounting
4	M3x5mm pan head screws for frame installation
2	Keys for Lock
1	USB Cable with PCI Bracket

Preparation for Installation

Note: To prevent data loss, read this manual thoroughly before installing or operating the USB DataPort.

Before touching any electrical equipment, ground yourself by touching the metal part of your computer chassis. This discharges static electricity and helps prevent damage to your computer. CRU-DataPort is not responsible for damage caused by static discharge.

Tools Required:

- Phillips screwdriver

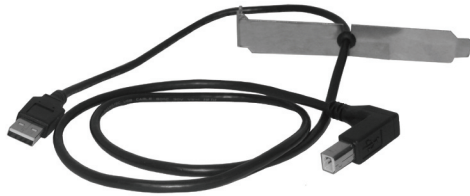
Other items that will be needed are:

- Computer Users Manual

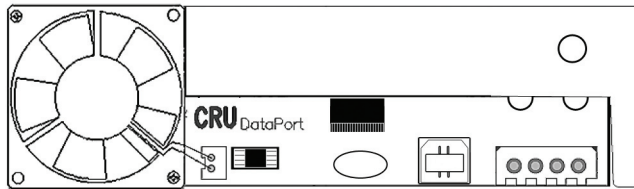
Frame Installation

1. Power off your computer.
Turn off the computer and disconnect its power cord from the electrical outlet. Before working on your computer, wait one minute for any residual energy to dissipate.
2. Remove the cover of the computer.
3. Locate an empty external 5.25" bay.
Identify the 5.25" half-height bay in which you plan to mount the USB DataPort frame assembly. Remove any filler plates that may be present.
4. Direct mount the frame assembly.
Slide the frame into the 5.25" bay from the front of the PC case. Using the screws provided, secure the frame assembly to the PC case using the frame's side mounting holes.
5. Rail mount the frame assembly.
If the drive bay requires mounting rails, install one on each side of the frame. The mounting rails should have come with your computer system.

6. Remove an empty PCI slot bracket.
On the back of your computer remove an empty PCI bracket and install the Internal USB PCI Bracket. Connect the USB cable to an available USB port on the back of your computer chassis and then connect it to your USB DataPort.



7. Connect the DC power cable to the frame.
Locate an available 4-pin DC power cable from the computer power supply and plug it into the power plug on the frame. The frame installation is now completed. Follow the instructions below for hard drive installation.



The frame installation is now completed.

Mounting a Hard Drive in the Carrier

1. Remove the carrier top and bottom covers.
The metal covers for USB DataPort are snapped into place on the carrier without any screws. Use the supplied cover removal tool or a small flat head screwdriver to assist you in this task.
2. Set Master/Slave jumper on drive to Master before placing drive in carrier
3. Connect the DC power cable to the drive.
Plug the 4-pin DC power cable into the power connector on the drive and ensure it is fully seated.

4. Connect the data cable in the carrier to the hard drive.
5. Install the drive in the carrier.
Place the drive in the carrier, then using the four screws provided, mount the drive. Position the cables inside the carrier assembly so that they are completely enclosed within the carrier. Replace top and bottom covers.
6. Insert the carrier into the frame assembly and ensure that the lock of the carrier is in the “open” (vertical) position. Position the carrier on the guide rails, and then slide the carrier into the frame. Using thumb pressure, fully seat the carrier in the frame, then lock the unit with the key lock.

You have finished the installation of your USB DataPort.

Setting up the Drive for Windows 2000

WARNING!

Formatting your drive will result in loss of data.

1. Right-click the **My Computer** icon and select Properties.
2. Select the **Device Manager** tab.
3. Click the plus sign (+) beside Disk Drives.
4. Right-click your drive icon and select **Properties**.
5. Select the **Settings** tab, place a check beside **Removable** and then assign it a drive letter.
6. After completing these steps, reboot your computer. Once your computer has booted up you should see an additional icon on your Task Bar.
7. Double-click **My Computer**. Your new drive should now be listed.
8. Double-click the drive icon. If it is a new drive or a drive with an incompatible format, it will ask you to format it:
 - a. Click **Yes**. A new window will open. At the top, the capacity of your drive will be listed; directly below that will be a section titled Format Type.

- b. In the Format Type section, select **Full** and then select **Start**. Read and follow the instructions to finish setting up your drive.
9. After connecting the USB DataPort to your computer, turn on the power by locking the key lock. A window will open for the New Hardware Wizard. Follow the instructions to add the new drive.
10. After completing the instructions for adding a new hard drive, right-click the **My Computer** icon and select **Manage**.
11. In the Storage sub-section, click **Disk Management** to display a list of all the drives connected to your computer. If you have not used the drive before, you will have to partition it:
 - a. To partition the hard drive, from the **Action** menu select **All Tasks** and then select **Create Partition**. *REMEMBER, formatting will result in loss of data.* The Create Partition Wizard opens.
 - b. Follow the on screen instructions and the drive will be ready to use.

Setting up the Drive for Windows XP and ME

WARNING!

Formatting your drive will result in loss of data.

1. After installing the USB DataPort, turn on your computer. Check to see if the hard drive is accessible in **My Computer**. If it does **NOT** show up perform the following steps:
 - a. Right-click the **My Computer** icon and select **Manage**.
 - b. In the Storage sub-section, click **Disk Management**; this will show all the drives connected to your computer.
 - c. If you are prompted to initialize the drive, follow the directions. *REMEMBER, formatting your drive will result in loss of data.* You should now see the hard disk drive in the list of drives on the right side of your window.

- d. Right-click the drive icon and select **New Partition**. This will launch a wizard that allows you to partition the drive, format it, and assign it a drive letter.

2. For hot-swapping right click on the drive in the lower right window of the Computer Management screen. Select **Properties** and then click on the **Policies** tab. Click on **Optimize for quick removal**. This will help prevent data loss if you improperly remove your hard disk drive.

The USB DataPort is intended to allow you to hot swap hard drives. After disconnecting the drive from the computer via the OS (see Removing the Hard Disk Drive), unlock and remove the carrier. A different drive can be added to the computer by inserting it in the frame and locking it to power on. You do not need to cycle the power on your computer for the drive to be seen.

Setting up the Drive for Mac OS 9.7/X

WARNING!

Formatting your drive will result in loss of data.

1. After connecting the USB DataPort to your Mac, you should see a new disk added to your desktop. If the drive is not correctly formatted you will be asked to **initialize** it.
2. To initialize the drive, click the **partition** tab and set your desired partitions and then click **OK**. The new disk will be added to your desktop. *REMEMBER, formatting your drive will result in loss of data.*

Removing the Hard Disk Drive

Win 98SE, ME, 2K and XP

1. Right-click on the green arrow icon in the system tray and select **Remove/Reject**.
2. Highlight the Mass Storage Device in the dialog box and then click **Stop**.
3. Choose the external disk drive that you want to disconnect and then click **Stop**.
4. Wait until the “You may safely remove this device” message displays. Unplug the carrier from the computer.

WARNING!

If your computer reports that the drive is busy, you must shut down your computer and then remove the drive. Failure to do so may result in data loss or corruption.

Mac OS 9.7/X

1. When you disconnect the External drive from the Mac, close all windows and quit all applications that are running on the external drive.
2. Drag the external drive icon into the Trash to dismount it from the desktop prior to unplugging the drive.

Operation

Turn on the Power

The key lock on the USB DataPort locks the carrier in place and also serves as the power “ON/OFF” switch. Turn the lock 90 degrees clockwise to the “ON” position to power-up the USB DataPort. When the computer is turned on the “Power On” LED (green light emitting diode, below the key lock on the carrier assembly) is illuminated and your system should operate normally.

Hot Swap

The USB DataPort is intended to allow you to hot swap hard drives. After disconnecting the drive from the computer via the OS (see Removing the Hard Disk Drive), unlock and remove the carrier. A different drive can be added to the computer by inserting it in the frame and locking it to power on. You do not need to cycle the power on your computer for the drive to be seen.

Trouble Shooting

No Power

Make sure the lock of the carrier is turned to the “ON” position and the green power LED light is on. Check the 4-pin DC power connection both inside the carrier and on back of the frame.

Drive Not Recognized by Computer

First check all of the cable connections and the jumper configuration. Check the Master/Slave mode setting on the drive. Ensure the carrier and frame are fully seated and none of the pins were bent during carrier insertion.

Fan Failure

The green power LED will flash in the event of fan failure. For more information contact CRU Technical Support.

Technical Support

You can contact CRU’s Technical Support Department by visiting our web site at URL <http://www.CRU-DataPort.com> or sending an email message to support@CRU-DataPort.com.

Limited Product Warranty

CRU-DataPort (CRU) warrants the USB DataPort to be free of significant defects in material and workmanship for a period of one year from the original date of purchase. CRU’s warranty is nontransferable and is limited to the original purchaser.

Product Remedies

CRU's entire liability and the original purchaser's exclusive remedy for any breach of warranty, shall be, at CRU's option, either (a) return of the price paid or (b) repair or replacement of the hardware, provided that the hardware is returned to CRU, with a copy of the sales receipt or applicable documentation. Any replacement hardware will be warranted for the remainder of the original warranty period. These remedies are void if failure of the hardware has resulted from accident, abuse, misapplication or modification. (This will be determined by CRU).

Limitation of Liability

The warranties set forth in this agreement replace all other warranties. CRU expressly disclaims all other warranties, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose and noninfringement of third-party rights with respect to the documentation and hardware. No CRU dealer, agent or employee is authorized to make any modification, extension, or addition to this warranty. In no event will CRU or its suppliers be liable for any costs of procurement of substitute products or services, lost profits, loss of information or data, computer malfunction, or any other special, indirect, consequential, or incidental damages arising in any way out of the sale of, use of, or inability to use any CRU product or service, even if CRU has been advised of the possibility of such damages. In no case shall CRU's liability exceed the actual money paid for the products at issue. CRU reserves the right to make modifications and additions to this product without notice or taking on additional liability.